



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 47747

Site: Pierson's Creek

Number of Samples: 1 (Soil)

Analysis: VOA, SVOA and ARO

SDG No.: BE801

Laboratory: Chemtech Consulting Group

Sampling dates: 2/9/19

Validation SOP: HW-33A (Rev. 1), HW-35A (Rev 1), HW-37A (Rev. 0)

QAPP:

Contractor: CDM Smith

Reference: DCN: 3323-077-03593, July 30, 2018

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.

Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.

Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:

SVOA: Sample BE801 has an analyte that has been qualified R due to surrogate % recovery failure.

Major Findings:

The following sample has analytes that have been qualified J, J+ or J-;

SVOA: BE801

Minor Findings:

One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS: The site specific QAPP did not provide project action levels for samples from this site.

Reviewer Name(s): Israel Okwuonu

Approver's Signature:

Date: 03/25/2019

Name: Narendra Kumar

Affiliation: USEPA/R2/HWSB/HWSS



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Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	



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DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Revision 1) September 2016, USEPA Region II for the evaluation of Volatile organic data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Revision 1) qualifications were applied as per Table 7 SOP HW-33A (Revision 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination.



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Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

No qualification due to method blank contamination is required.

B) Field or rinse blank contamination:

Not applicable.

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Revision 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment



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and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Revision 1) for all target analytes. For the Initial calibration verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Revision 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No Field Duplicate sample was identified in this SDG.

9. COMPOUND IDENTIFICATION:



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Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRactions & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution sample was only used for one or more analytes;
BE801DL

ANALYSIS: SVOA

The current SOP HW-35A (Rev. 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not



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be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev. 1) to all the samples and analytes as shown below.

The following diluted sample analyses have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified J-. Non-detects are qualified R.

1,4-Dioxane-d8 BE801
1,4-Dioxane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

C) Tentatively Identified Compounds:



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Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R".

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 1) for all target analytes. For the initial calibration verification ICV/ opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.



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The following analytes in the sample shown were qualified for %RSD and %D:

The following sample is associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

2,6-Dinitrotoluene, 2-Nitroaniline BE801

The following sample is associated with an ICV with target analyte % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

2,6-Dinitrotoluene, 3-Nitroaniline BE801

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated “J-”, and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated “J+” and all non-detects are qualified “R”.

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No Field Duplicate sample was identified in this SDG.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.



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10. CONTRACT PROBLEMS NON-COMPLIANCE:

Percent Relative Standard Deviation (%RSD) fell outside the contractual limit in the initial calibration for 2,6-Dinitrotoluene and 2-Nitroaniline

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRactions and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: AROCLOR

The current SOP HW-37A (Rev. 0) June 2015, USEPA Region II for the evaluation of PCB data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev. 0), qualifications were applied to the samples and analytes as shown below.



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The following samples have surrogate percent recoveries greater than the expanded maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

Tetrachloro-m-xylene BE801, BE801MS, BE801MSD

Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

Note: No qualifiers were applied to Aroclors 1016 and 1260 in sample BE801 because the results were reported from dilution-01.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The relative percent difference (RPD) between the following matrix spike and matrix spike duplicate recoveries is outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Aroclor-1016 BE801, BE801MS, BE801MSD

Aroclor-1260 BE801, BE801MS, BE801MSD

The following matrix/matrix spike duplicate samples have percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J. Non-detects are qualified as unusable R.

Aroclor-1260 BE801, BE801MS

The following matrix/matrix spike duplicate samples have percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Aroclor-1016 BE801, BE801MS, BE801MSD

Aroclor-1260 BE801, BE801MSD

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:



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Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the PCB fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

No Field Duplicate sample was identified in this SDG.

8. COMPOUND IDENTIFICATION:



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The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
>50% (ARO value <CRQL, value raised to CRQL)	U
>200%	R

The following samples were qualified for % difference on the two columns.

None

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

Aroclor-1016 and Aroclor-1260 results in samples BE801MS and BE801MSD are qualified J as the reported values are over the calibration range and no dilution analysis was performed.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution sample was only used for one or more analytes;
BE801DL

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: ABLK69	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: ALCS69	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	21	J	ug/kg	21	J	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	19	J	ug/kg	19	J	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: BE801	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: Supplemental Soil Borings	pH:	Sample Date: 02/09/2019	Sample Time: 10:35:00
% Moisture:		% Solids: 58.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	52000		ug/kg	52000	D	100.0	YES	S3VEM
Aroclor-1221	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1232	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1242	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1248	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1254	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1260	Target	34000		ug/kg	34000	D	100.0	YES	S3VEM
Aroclor-1262	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1268	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: BE801	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: Supplemental Soil Borings	pH:	Sample Date: 02/09/2019	Sample Time: 10:35:00
% Moisture:	% Solids: 58.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	570	R	ug/kg	570	U	5.0	YES	S3VEM
Benzaldehyde	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Phenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
2-Chlorophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2-Methylphenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Acetophenone	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
4-Methylphenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Hexachloroethane	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Nitrobenzene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Isophorone	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2-Nitrophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,4-Dimethylphenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,4-Dichlorophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Naphthalene	Target	3100		ug/kg	3100		5.0	YES	S3VEM
4-Chloroaniline	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Hexachlorobutadiene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Caprolactam	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2-Methylnaphthalene	Target	570	J	ug/kg	570	J	5.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
1,1-Biphenyl	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2-Chloronaphthalene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2-Nitroaniline	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Dimethylphthalate	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,6-Dinitrotoluene	Target	1400	UJ	ug/kg	1400	U	5.0	YES	S3VEM
Acenaphthylene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
3-Nitroaniline	Target	2800	UJ	ug/kg	2800	U	5.0	YES	S3VEM
Acenaphthene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,4-Dinitrophenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
4-Nitrophenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Dibenzofuran	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
2,4-Dinitrotoluene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Diethylphthalate	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Fluorene	Target	340	J	ug/kg	340	J	5.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
4-Nitroaniline	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Hexachlorobenzene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Atrazine	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Pentachlorophenol	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Phenanthrene	Target	1600		ug/kg	1600		5.0	YES	S3VEM
Anthracene	Target	14000		ug/kg	14000		5.0	YES	S3VEM
Carbazole	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	580	J	ug/kg	580	J	5.0	YES	S3VEM
Fluoranthene	Target	2300	J	ug/kg	2300	J	5.0	YES	S3VEM
Pyrene	Target	1800		ug/kg	1800		5.0	YES	S3VEM
Butylbenzylphthalate	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	2800	U	ug/kg	2800	U	5.0	YES	S3VEM
Benzo(a)anthracene	Target	970	J	ug/kg	970	J	5.0	YES	S3VEM
Chrysene	Target	1200	J	ug/kg	1200	J	5.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	9000		ug/kg	9000		5.0	YES	S3VEM
Di-n-octyl phthalate	Target	680	J	ug/kg	680	J	5.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1200	J	ug/kg	1200	J	5.0	YES	S3VEM
Benzo(k)fluoranthene	Target	400	J	ug/kg	400	J	5.0	YES	S3VEM
Benzo(a)pyrene	Target	610	J	ug/kg	610	J	5.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	440	J	ug/kg	440	J	5.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	470	J	ug/kg	470	J	5.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	1400	U	ug/kg	1400	U	5.0	YES	S3VEM
7H-Benz[de]anthracen-7-one, 3-brom	TIC	1900	JN	ug/kg	1900	JN	5.0	YES	S3VEM
1,1-Biphenyl, 2,4,4-trichloro-	TIC	1200	JN	ug/kg	1200	JN	5.0	YES	S3VEM
Benzene, 1-ethyl-3-methyl-	TIC	2600	JN	ug/kg	2600	JN	5.0	YES	S3VEM
1,1-Biphenyl, 2,3-dichloro-	TIC	1500	JN	ug/kg	1500	JN	5.0	YES	S3VEM
2,2,3,3,4,5,6-Heptachlorobiphen	TIC	860	JN	ug/kg	860	JN	5.0	YES	S3VEM
1,1-Biphenyl, 2,2-dichloro-	TIC	2600	JN	ug/kg	2600	JN	5.0	YES	S3VEM
1,1-Biphenyl, 2,2,5-trichloro-	TIC	2700	JN	ug/kg	2700	JN	5.0	YES	S3VEM
Benzene, 1,2,3,4-tetramethyl-	TIC	2900	JN	ug/kg	2900	JN	5.0	YES	S3VEM
Benzene, 1,2,3,4-tetrachloro-	TIC	1200	JN	ug/kg	1200	JN	5.0	YES	S3VEM
unknown-01	TIC	4600	J	ug/kg	4600	J	5.0	YES	S3VEM
1,1-Biphenyl, 3,3-dichloro-	TIC	1900	JN	ug/kg	1900	JN	5.0	YES	S3VEM
Indan, 1-methyl-	TIC	1200	JN	ug/kg	1200	JN	5.0	YES	S3VEM
Benzene, 1,2,3,5-tetramethyl-	TIC	2500	JN	ug/kg	2500	JN	5.0	YES	S3VEM
1-(2,2-Dimethylcyclopropyl)-2-phen	TIC	960	JN	ug/kg	960	JN	5.0	YES	S3VEM
Benzene, 1-methyl-4-propyl-	TIC	3200	JN	ug/kg	3200	JN	5.0	YES	S3VEM
Benzene, 1-methyl-4-(2-methylpropyl	TIC	3800	JN	ug/kg	3800	JN	5.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	4500	JN	ug/kg	4500	JN	5.0	YES	S3VEM
Benzene, 1,2,4,5-tetramethyl-	TIC	3400	JN	ug/kg	3400	JN	5.0	YES	S3VEM
Benzene, 4-ethyl-1,2-dimethyl-	TIC	7500	JN	ug/kg	7500	JN	5.0	YES	S3VEM
Naphthalene, 1,4,6-trimethyl-	TIC	750	JN	ug/kg	750	JN	5.0	YES	S3VEM
Benzoic acid, 2,5-dimethyl-, (2,4-	TIC	1200	JN	ug/kg	1200	JN	5.0	YES	S3VEM
Benzene, 1,3-diethyl-5-methyl-	TIC	1200	JN	ug/kg	1200	JN	5.0	YES	S3VEM
Benzene, 1-ethyl-2,3-dimethyl-	TIC	1700	JN	ug/kg	1700	JN	5.0	YES	S3VEM
Benzene, 1,2-diethyl-	TIC	7900	JN	ug/kg	7900	JN	5.0	YES	S3VEM
Total Alkanes	TIC	22000	B	ug/kg	22000	B	5.0	YES	S3VEM
Naphthalene, 2,3-dimethyl-	TIC	840	JN	ug/kg	840	JN	5.0	YES	S3VEM
Naphthalene, decahydro-, trans-	TIC	3900	JN	ug/kg	3900	JN	5.0	YES	S3VEM
Benzene, 1,3,5-trichloro-	TIC	2000	JN	ug/kg	2000	JN	5.0	YES	S3VEM
unknown-02	TIC	2100	J	ug/kg	2100	J	5.0	YES	S3VEM
1,1-Biphenyl, 2,3,6-trichloro-	TIC	1100	JN	ug/kg	1100	JN	5.0	YES	S3VEM
7H-Benz[de]anthracen-7-one	TIC	44000	JN	ug/kg	44000	JN	5.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: BE801	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: Supplemental Soil Borings	pH:	Sample Date: 02/09/2019	Sample Time: 10:35:00
% Moisture:	% Solids: 58.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Chloromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Vinyl chloride	Target	5900	J	ug/kg	5900	J	20.0	YES	S3VEM
Bromomethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Chloroethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Trichlorofluoromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,1-Dichloroethene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Acetone	Target	25000	U	ug/kg	25000	U	20.0	YES	S3VEM
Carbon disulfide	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Methyl Acetate	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Methylene chloride	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Methyl tert-butyl Ether	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,1-Dichloroethane	Target	3800	J	ug/kg	3800	J	20.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	260000		ug/kg	260000		20.0	YES	S3VEM
2-Butanone	Target	25000	U	ug/kg	25000	U	20.0	YES	S3VEM
Bromochloromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Chloroform	Target	9600	J	ug/kg	9600	J	20.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7400	J	ug/kg	7400	J	20.0	YES	S3VEM
Cyclohexane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Carbon tetrachloride	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Benzene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,2-Dichloroethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Trichloroethene	Target	55000		ug/kg	55000		20.0	YES	S3VEM
Methylcyclohexane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,2-Dichloropropane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Bromodichloromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25000	U	ug/kg	25000	U	20.0	YES	S3VEM
Toluene	Target	3400	J	ug/kg	3400	J	20.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,1,2-Trichloroethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Tetrachloroethene	Target	1200000		ug/kg	1200000	D	200.0	YES	S3VEM
2-Hexanone	Target	25000	U	ug/kg	25000	U	20.0	YES	S3VEM
Dibromochloromethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,2-Dibromoethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Chlorobenzene	Target	23000		ug/kg	23000		20.0	YES	S3VEM
Ethylbenzene	Target	13000		ug/kg	13000		20.0	YES	S3VEM
o-xylene	Target	9300	J	ug/kg	9300	J	20.0	YES	S3VEM
m,p-Xylene	Target	29000		ug/kg	29000		20.0	YES	S3VEM
Styrene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Bromoform	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
Isopropylbenzene	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,3-Dichlorobenzene	Target	3900	J	ug/kg	3900	J	20.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13000		ug/kg	13000		20.0	YES	S3VEM
1,2-Dichlorobenzene	Target	10000	J	ug/kg	10000	J	20.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	12000	U	ug/kg	12000	U	20.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	7000	J	ug/kg	7000	J	20.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2600	J	ug/kg	2600	J	20.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzene, 2-ethyl-1,3-dimethyl-	TIC	6900	JN	ug/kg	6900	JN	20.0	YES	S3VEM
Benzene, 1-ethyl-2-methyl-	TIC	6300	JN	ug/kg	6300	JN	20.0	YES	S3VEM
Benzene, 1,2,4,5-tetramethyl-	TIC	6400	JN	ug/kg	6400	JN	20.0	YES	S3VEM
Benzene, 1,2,3,4-tetramethyl-	TIC	9900	JN	ug/kg	9900	JN	20.0	YES	S3VEM
Benzene, 1,2,3-trimethyl-	TIC	42000	JN	ug/kg	42000	JN	20.0	YES	S3VEM
Total Alkanes	TIC	7800	BN	ug/kg	7800	BN	20.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: BE801MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/09/2019	Sample Time: 10:35:00
% Moisture:		% Solids: 58.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	50000	J+	ug/kg	50000	E	10.0	YES	S3VEM
Aroclor-1221	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1232	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1242	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1248	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1254	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1260	Spike	28000	J+	ug/kg	28000	E	10.0	YES	S3VEM
Aroclor-1262	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1268	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: BE801MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 02/09/2019	Sample Time: 10:35:00
% Moisture:		% Solids: 58.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	63000	J+	ug/kg	63000	E	10.0	YES	S3VEM
Aroclor-1221	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1232	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1242	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1248	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1254	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1260	Spike	32000	J+	ug/kg	32000	E	10.0	YES	S3VEM
Aroclor-1262	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM
Aroclor-1268	Target	560	U	ug/kg	560	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: SBLK70	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	UJ	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC	150	N	ug/kg	150	N	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: VBLK41	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: VBLK93	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	3.6	J	ug/kg	3.6	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochemicalmethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Vinyl chloride	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromomethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Acetone	Target	9.8	U	ug/kg	9.8	U	1.0	YES	S3VEM
Carbon disulfide	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methyl Acetate	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methylene chloride	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
2-Butanone	Target	9.8	U	ug/kg	9.8	U	1.0	YES	S3VEM
Bromoform	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Cyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Benzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Trichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methylcyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromodichloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	9.8	U	ug/kg	9.8	U	1.0	YES	S3VEM
Toluene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Tetrachloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
2-Hexanone	Target	9.8	U	ug/kg	9.8	U	1.0	YES	S3VEM
Dibromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Ethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
o-xylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
m,p-Xylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Styrene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromoform	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Isopropylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 47747/EPW14030/BE801

Lab Name: Chemtech Consulting Group